

Title (en)

CDNAS CODING FOR MEMBERS OF THE CARCINOEMBRYONIC ANTIGEN FAMILY

Publication

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Application

EP 89110096 A 19890603

Priority

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Abstract (en)

[origin: EP0346710A2] A nucleic acid comprising a base sequence which codes for a CEA family member peptide sequence or nucleic acids having a base sequence hybridizable therewith, replicable recombinant cloning vehicles having an insert comprising such nucleic acid, cells transfected, infected or injected with such cloning vehicles, polypeptides expressed by such cells, synthetic peptides derived from the coding sequence of CEA family member nucleic acids, antibody preparations specific for such polypeptides, immunoassays for detecting CEA family members using such antibody preparations and nucleic acid hybridization methods for detecting CEA family member nucleic acid sequences using a nucleic acid probe comprising the above described nucleic acid.

IPC 1-7

C12N 15/00; **C12N 5/00**; **C07K 13/00**; **A61K 39/395**

IPC 8 full level

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Citation (search report)

- [A] EP 0212880 A1 19870304 - ISRAEL STATE [IL]
- [X] BIOCHEM. BIOPHYS. RES. COMMUN., vol. 142, no. 2, 30th January 1987, pages 511-518; R. OIKAWA et al.: "Primary structure of human carcinoembryonic antigen (CEA) deduced from cDNA sequence"
- [X] MOL. CELL. BIOL., vol. 7, 1987, page 3221-3230; R. BEAUCHEMIN et al.: "Isolation and characterization of full-length functional cDNA clones for human carcinoembryonic antigen"
- [XP] PROC. NATL. ACAD. SCI. USA, vol. 85, September 1988, pages 6959-6963; Y. HINODA et al.: "Molecular cloning of a cDNA coding biliary glycoprotein I: primary structure of a glycoprotein immunologically crossreactive with carcinoembryonic antigen"
- [XP] GENE, vol. 71, no. 2, November 1988, pages 439-449; B.C. ROONEY et al.: "Molecular cloning of a cDNA for human pregnancy-specific B1-glycoprotein: homology with human carcinoembryonic antigen and related proteins"

Cited by

US6949629B2; EP0618292A1; US5672513A; EP0446602A1; US5200316A; WO2014140938A2; WO2009114207A2; WO0052161A3; EP1964573A2; WO2018060368A2; WO2004092216A1; US8188244B2; US9684000B2; US9753036B2; US9995755B2; US11226341B2

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